

MATERIAL SAFETY DATA SHEET

Substance/Mixture name: DETRO SEPT AF - MEDICAL DEVICE DISINFECTANT

Preparation date : 06.05.2019

Update date:-

Rev. No:00

Form No: DETCE170606-01

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Substance/Mixture Identification

Product's Commercial Name : DETRO SEPT AF – MEDICAL DEVICE DISINFECTANT

Product Name : DETROSEPT AF

1.2. . Relevant identified uses of the substance or mixture and uses advised against : is used as medical device disinfectant

1.3. Details of the supplier of the safety data sheet

Company: : Detro Healthcare Kimya San. A. Ş.

Address: : Atatürk Mah. Adnan Menderes Cad. No: 7 Esenyurt / İstanbul

Tel : 0212 659 77 62

Fax : 0212 659 77 63

Contact Person : Anıl Köse

E-mail : anilkose@detrox.com.tr

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1.4. Emergency telephone number : +90 212 659 77 62 (at working hours)

National Poison Information Center (UZEM) : 114

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1. Classification of the Substance or Mixture

“According to the Regulation on Classification, Labeling and Packaging of the Substances and Mixtures (SEA):

Danger

Flame Liquid 2

GHS02



H225

Eye Irrit. 2.

H319



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GHS07

2.2. Label Elements: *This product / substance was classified and labeled according to the Regulation on Classification, Labeling and Packaging of the Substances and Mixtures.*

Hazard Signs: GHS02,GHS07

Signal Word: Danger

Hazard-determining components: contains Ethyl alcohol(64-17-5), Propan-2-ol (isopropyl Alcohol) (Cas no:67-63-0)

Hazard Statements (H):

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

Additional Hazard Statements: n/a.

Precautionary Statements (P):

General:

P102: Keep out of reach of children.

Precaution:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking..

P233: Keep container tightly closed.

P243: Take precautionary measures against static discharge.

P264: Wash ... thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Intervention:

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 : IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: Göz tahrişi kalıcı ise: Tıbbi yardım/bakım alın.

Storage:

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

P501: Dispose of contents/container according to local rules.

Immediate and delayed significant symptoms and effects:

Acute Hazards:

Eyes: This product irritates eyes. It may give redness, lacrimation, pain and severe damage to eyes.

Other Hazards: None. Not a PBT and/or vPvB.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

General Description and Concentrations of Hazardous and Hazardous Substances in the Composition of this Product:

Substance or Compound	Cas No	EC No	Concent. w/w%	Safety Phrases, Hazard Class
Propan-2-ol (isopropyl alcohol)	67-63-0	200-661-7	10 – 30	Flame liquid 2. H225 Eye Irrit. 2 H319 BHOT Tek kat.3. H336
Ethyl alcohol	64-17-5	200-578-6	5 - 15	Flame liquid 2. H225

Note: The definitions of risk phrases are described in the Section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

4.1.1 General Measures:

Take off immediately clothing that has been exposed to the contaminated product and be sure to remove it. During your help, pay attention to your personal protection. Move the affected person away so that they are no longer affected by the environment they are exposed to. Get medical help if necessary and show this safety data sheet to the doctor.

4.1.2 Inhalation:

Immediately remove the patient from the source of exposure to fresh air.

Keep warm and calm down.

If there is a qualified healthcare provider, give oxygen.

If breathing is difficult, provide respiratory support or connect to the breathing apparatus.

If not breathing, artificial respiration is required by a competent person.

If the patient is unconscious, move sideways or lay them down.

Provide the necessary medical treatment immediately.

4.1.3. Skin contact:

Wet the exposed area with copious amounts of water and wash it.

Remove contaminated clothing and shoes immediately.

Immediately wash the affected area / skin with plenty of water.

Get medical attention if symptoms increase.

Do not reuse clothing or shoes, or wash them thoroughly before use.

4.1.4. Eye contact:

If there is contact lenses in the eyes, remove them immediately. Wash eyes with eyelid open, eyewash solution (5% boric acid solution) or with plenty of water for at least 15 minutes. Continue washing until medical attention is obtained. Get specialist help.

4.1.5. Ingestion:

Do not let vomit.

If the patient is conscious, rinse his mouth with water and drink 2 or 3 glasses of water.

Do not give anything by mouth to an unconscious patient.

Get medical attention / call a doctor immediately.

Call an ambulance or call the Poison Counseling Center

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4.2. Most important symptoms and effects, both acute and delayed

No specific information is available.

4.3. Indication of any immediate medical attention and special treatment needed

In case of itching in the eyes, eyes shall be washed with plenty of water immediately.

5. FIREFIGHTING MEASURES

Specific Dangers: Easy Flammable

5.1. Extinguishing media:

CO₂, Sand, Dry Chemical Powder, Alcohol-resistant Foam. No sudden intervention to the fire exit should be avoided without the possibility of creating a danger as much as possible.

Unsuitable extinguishing media: N/A

5.2. Special harms arised from substance/mixture

Avoid breathing fumes and vapors. If there is not enough ventilation, wear suitable respiratory equipment.

Gases arising from the substance or mixture during fire: Carbon monoxide, carbon dioxide.

5.3. Advice for firefighters and firefighter teams:

Fire Response Instructions:

Use protective gloves and clothing.

Cool tanks and product packaging with water

Take the personnel to the safe area.

Protective Equipment for Fire Fighting personnel:

Wear maximum protection and equipment (goggles, mask, gloves, boots, respirator)

A full protective suit, including a positive pressure breathing apparatus, should be worn.

Other Disclosures:

Cool containers and tanks with water spray

Evacuate area in case of fire

Notify the authorized units in big fires that cannot be controlled.

5.4 Additional Information: Avoid polluting the environment by using more fire extinguishers than necessary. Firefighting residues should not be allowed to reach sewers and groundwater.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions:

Keep away from sources of ignition. Avoid contact with eyes. Keep away from oxidizing agents. In general, pay attention to the rules and personal hygiene applied in contact with chemicals

6.1.1 For non-emergency personnel

Protective Equipment: Use protective glasses. See the eighth part of this form.

Emergency procedure: Provide adequate ventilation. Consult an expert for emergency procedures.

Other remarks: Do not touch or touch the product until all safety precautions are read and understood.

6.1.2. For emergency personnel

Protective Equipment: Use suitable protective eye / face protection equipment.

Emergency procedures: Remove unrelated personnel, evacuate area.

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Other remarks: Make sure that personnel have read and understood all safety precautions.

6.2. Environmental precautions

Make sure that the product does not get into the sewage. If there is no safety hazard, prevent further leakage and spillage. If the substance is involved in the river, lake or sewage, apply to the necessary authorities. Act in accordance with the hazardous waste regulations. Inform the authorities.

6.3. Methods and materials for containment and cleaning up

Ensure that it absorbs with an inert absorbent material (sand, silica gel, sawdust, etc.). Store the wastes in sealed containers suitable for this purpose.

The collected substance should be transferred to an appropriate container and recovered, or destroyed or destroyed according to the national or regional regulations in force. Place the material with harmful substance in a suitable container and dispose of it according to item 13.

6.3.1 Recommendations for Controlling Spillage:

Take protective measures against slipping hazard.

6.3.2. Recommendations for Cleansing Spillage:

Appropriate precautions must be taken and cleaned as soon as possible.

If it spills in liquid form, collect it using dry sand, soil, silica gel or binder and dispose of it in the waste packaging in a controlled manner.

Dilute the remaining part. Place the material mixed with harmful material in a suitable container and dispose of it according to item 13.

6.4. Other information

Act in accordance with local regulations.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

Usage precautions: Arrangements for storage areas are applied in the workplaces where the product is located. Do not swallow external use product. Avoid contact with skin and eyes. Use following the instructions for use described on the label. For personal protection, see Chapter 8. Examine the precautions and regulations on work safety indicated on the label. Eye contact of the product should be avoided.

Storage precautions: Keep away from food, drink and animal feedingstuffs. Store in a well-ventilated, dry and cool place, away from heat, open flames and sunlight, between 0 ° C and 25 ° C. Keep the mouth of the containers closed. Do not eat, drink or smoke in the warehouse. Keep all sources of ignition away. Do not store with oxidizing agents, acids, alkalis and hazardous reactions.

7.3. Specific end use(s): Keep away all sources of ignition

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Exposure limits	ACGIH TLV TWA/STEL	NIOSH REL TWA/STEL	OSHA PEL TWA
Isopropyl Alcohol	200 ppm/400 ppm	400 ppm / 500 ppm	400 ppm
Ethyl alcohol	1000 ppm /1920 mg/m ³	1000 ppm /1920 mg/m ³	

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Occupational Exposure Controls: Provide adequate ventilation. Avoid contact with eyes. Avoid breathing vapors and gases. Do not eat, drink or smoke while working. After working, wash your hands, face, clean completely. Have eye wash apparatus in the work area.

INDIVIDUAL PROTECTIVE MEASURES:

Respiratory protection: In case of insufficient ventilation, wear a suitable breathing apparatus.

Hand Protection: When using this product, it is recommended to wear gloves. Vinyl, latex or nitrile gloves should be used. If signs of deterioration appear, gloves should be replaced immediately.

Eye/face protection: Avoid contact with eyes. Offer the safety glasses with side protection to the service of the personnel. There should be a water point nearby.

Skin protection: Use suitable work clothes.

Hygiene measures

Do not eat, drink or smoke during use. Wash hands after each use. Wash individual protection equipment systematically after each use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear-Liquid
Colour	Colourless
Odour	Characteristic
Solubility	Soluble in water
Relative density (20 °C)	1,00 – 1,05
Ph	6-8
Flashing point	< 23 °C
Boiling point	>35 °C

9.2. Other information:

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Reactivity: Nonreactive.

Conditions to avoid: High temperature, open flame, ignition sources.

Hazardous decomposition products: Carbon dioxide, carbon monoxide. CO₂, CO

Whether stabilizers are needed and existing stabilizers: None.

Avoid high temperature

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Acute Toxicity

Toxicity	Inhalation LC 50	Dermal LD 50	Oral LD 50
Isopropyl Alcohol	N/A	>5000 mg/kg(rabbit)	>5000 mg/kg(rat)
Ethanol	124,7	>20000 mg/kg(ipr-rat)	>7060 mg/kg(oral-rat)

Respiratory exposure:

If inhaled for long periods of time, it may cause irritation of the respiratory tract. Steam may cause drowsiness and dizziness.

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Ingestion: If swallowed, it can cause nausea and headaches, as well as pain and digestive irritation in the abdomen.

In case of splash and contact with eyes:

May cause redness and tears in the eyes.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity Prevent unclassified product from entering drains, soil or surface waters.

Propan-2-ol ;

Aquatic toxicity	Results / Notes
Acute toxicity	
Fish	Not practical toxic: LL/EL/IL50>100 mg/l
Water invertebrates	Not practical toxic: LL/EL/IL50>100 mg/l
Moss	Not practical toxic: LL/EL/IL50>100 mg/l
Microorganisms	Not practical toxic: : LL/EL/IL50>100 mg/l
Chronic toxicity	
Fish	N/A
Water invertebrates	N/A

Ethanol ;

Aquatic toxicity	Results / Notes
Acute toxicity	
Fish	LL/EL/IL50 13500 mg/l 96 h
Aquatic acute (algae)	LL/EL/IL50>5000 mg/l 7d
Dalphia	LL/EL/IL50 5400 mg/l
Chronic toxicity	
Fish	N/A
Water invertebrates	N/A

Mobility in soil (mobility): When the product enters the soil, it can contaminate the soil with one or more components.

Environmental Hazards:

Mixing of the product into sewage systems or water streams should not be allowed.

Bio accumulative Potential: No bio-accumulation is expected.

Results of PBT and vPvB assessment: None.

Other adverse effects: Not determined.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal Methods: Do not pour it into streams. Packages should not be reused. Reprocess or destroy, preferably in accordance with applicable legislation, through

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a notified body or a collector. Do not contaminate soil or water with waste.

Contaminated Packaging: Empty the container completely, keep the label or tags on the container. Hand it over to an approved recycling institution. The waste code should be given by the user, depending on the application of the product.

14. TRANSPORT INFORMATION

Classification and coding according to the International Transportation (ADR/RID,IMDG, IATA/ICA)

	ADR/RID	ADNR	IMDG	ICAO/IATA
TRANSPORT FORM	LAND	RIVER CHANNEL	SEA	AIR
14.1. UN NUMBER	1993	1993	1993	1993
14.2 SUITABLE TRANSPORTING NAME	Un No: 1993 flammable liquid B.B.B class 3 P.G. II(Isopropyl Alcohol,Etil alkol) (D/E)			
Tunnel code	2 (D/E)			
SYMBOL				
14.3 TRANSPORT HAZAR CLASS	3	3	3	3
14.4 PACK GROUP	II	II	II	II
CLASSIFICATION CODE	F1	F1	F1	F1
LABELLING NO	3	3	3	3
DANGER ID NO (HIN NO)	33	33	33	33
EmS	-	-	-	-
Limit amounts(LQ)	-	-	-	-
14.5 ENVIROMENTAL HARMS SEA CAUSE POLLUTION	-	-	NOT	-
14.6 SPECIAL PRECAUTIONS FOR USER	N/A			
14.7.Transporting according to marpol 73/78 annex II ve IBC code	NOT APPLICABLE			
Transporting/Additional Info:	it contains a special provision for certain classes of dangerous goods packed in limited quantities in accordance with the transport regulations.			

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

This document was prepared and attested by accredited authorized staff compliant to the Regulation on Classification, Labeling and Packaging of the Substances and Mixtures (SEA) dated 11 December 2013 with no.28848 within context of the Regulation on the Safety Data Sheets Regarding the Hazardous Substances and Mixtures dated 13 December 2014 with no.29204.

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16. OTHER INFORMATION

The information provided in this safety data sheet was prepared based on the regulation and information which are applicable before the institutions of the Republic of Turkey and the European Union.

It should not be used other than for the stated purposes.

You shouldn't use this substance for any purpose other than intended use. The user is responsible under any circumstances for taking the measures required under local regulations and laws. The information on this safety data sheet does not constitute a guarantee for product specifications; rather it presents the safety measures concerning the mixture.

H225: Highly flammable liquid and vapour

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness

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DISCLAIMER

This information relates only to a specific substance and should not be used in a composition or in any process where the same substance is used with other substances. The information provided in this document is accurate and reliable information as of the date specified, within the firm's high level knowledge and opinion. However, no warranty guarantee or declaration can be made regarding its accuracy, reliability and completeness. It is the user's own responsibility to be convinced of the suitability of this information for his own use.